

Lifting Capacities

PCSA Class 10-263

Hydraulic Rough Terrain Crane

RTC-8065 65-ton (60 metric ton)

Boom and fly capacities for this machine are listed by the following sections:

Fully Extended Outriggers (12,000 lb. and 0 lb. counterweight)

- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 115' 0" main boom capacities, Basic Mode "B"
- 36' 6" offsettable fly capacities, Basic Mode "B"
- 36' 6" - 61' 0" 2-piece offsettable fly capacities, Basic Mode "B"

Intermediate Extended Outriggers (12,000 lb. counterweight)

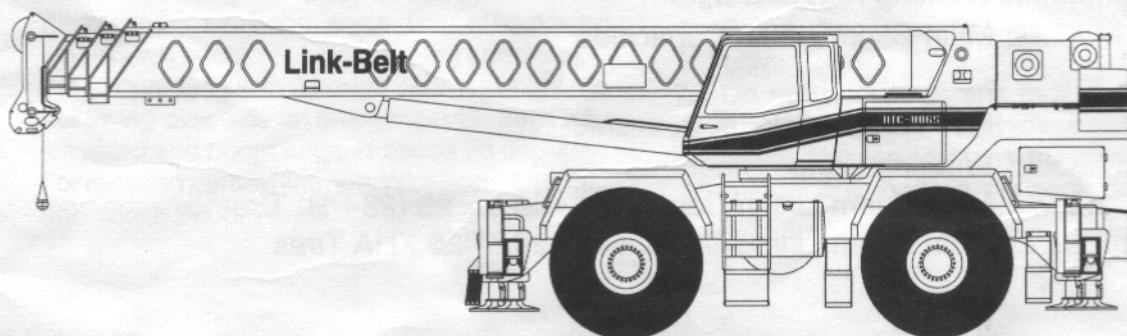
- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 115' 0" main boom capacities, Basic Mode "B"
- 36' 6" offsettable fly capacities, Basic Mode "B"
- 36' 6" - 61' 0" 2-piece offsettable fly capacities, Basic Mode "B"

Fully Retracted Outriggers (12,000 lb. counterweight)

- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 115' 0" main boom capacities, Basic Mode "B"

On Tires - (12,000 lb. counterweight)

- Working Range Diagram
- 38' 0" to 63.6' main boom capacities, *A-max* Mode
- 38' 0" to 85' 0" main boom capacities, Basic Mode "B"



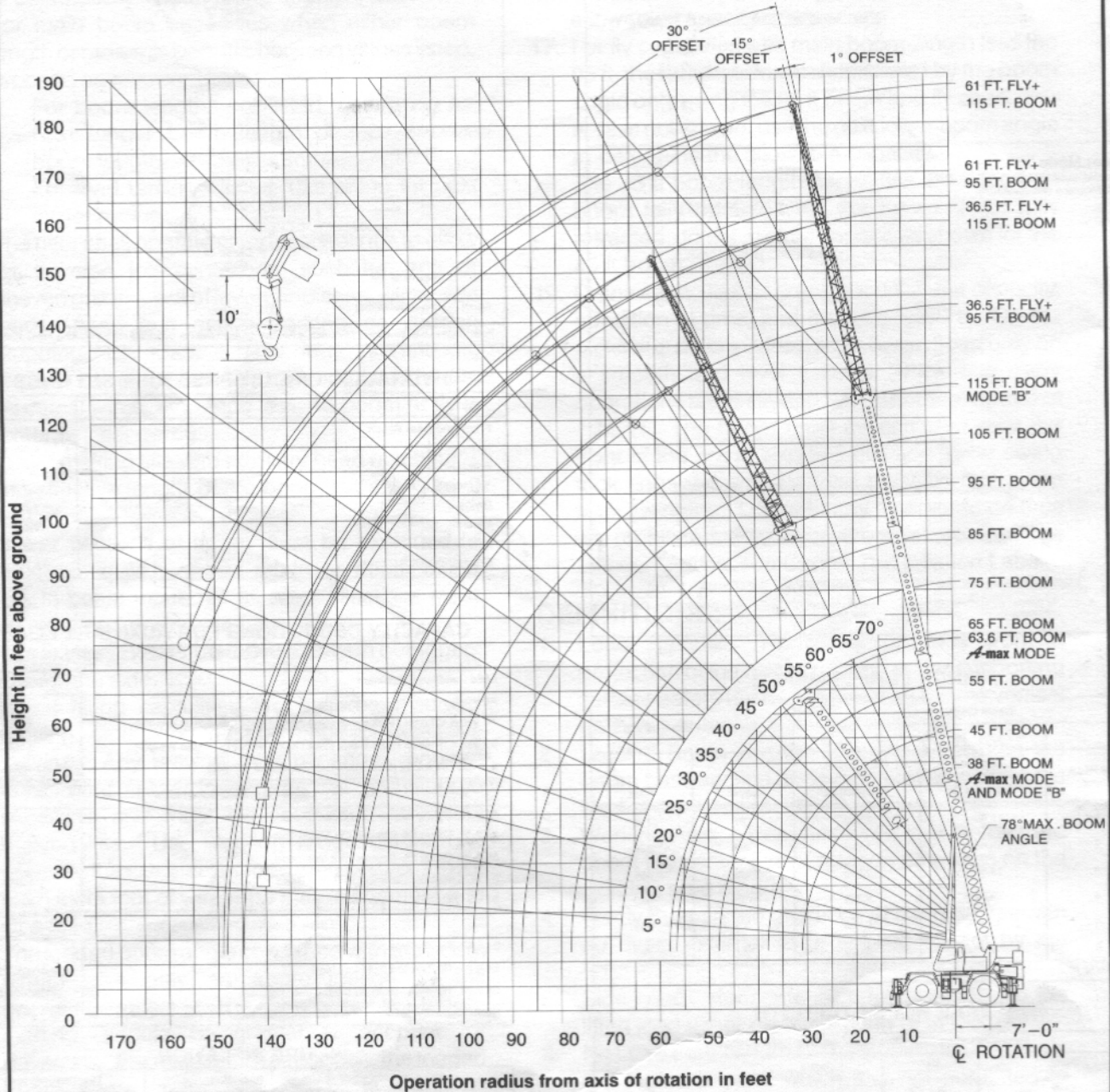
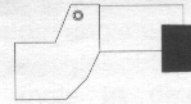
CAUTION: This material is supplied for reference only. Operator must refer to in-cab crane rating manual to determine allowable machine lifting capacities and operating procedures.

WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Extended Outriggers



12,000# Counterweight



- Denotes Main Boom + 61' Fly-Boom Mode "B"
- Denotes Main Boom + 36.5' Fly-Boom Mode "B"

Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.



WARNING

Do Not Lower The Boom Below The Minimum Boom Angle For No Load As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.

Fully Extended Outriggers - Main Boom Capacities (12,000 lb. Counterweight)

Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.							
12,000# COUNTERWEIGHT							
38 Ft. To 45 Ft. Main Boom							
Load Radius In Feet	38 Ft.			45 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	
10	67.0	130,000	130,000	71.0	87,400	87,400	10
12	64.0	118,000	118,000	68.5	87,400	87,400	12
15	58.5	100,700	100,700	64.0	87,400	87,400	15
20	48.5	74,200	74,200	56.5	73,500	73,500	20
25	36.5	57,400	57,400	48.0	56,800	56,800	25
30	17.5	46,100	46,100	38.0	45,600	45,600	30
35				24.5	34,600	35,500	35
Min. Boom Angle/Cap.	0°	26,300	26,300	0°	21,100	21,100	Min. Boom Angle/Cap.

Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.							
12,000# COUNTERWEIGHT							
55 Ft. To 63.6 Ft. Main Boom							
Load Radius In Feet	55 Ft.			63.6 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	
10	75.0	85,600	85,600				10
12	73.0	85,600	85,600	75.5	56,300	56,300	12
15	69.5	85,600	85,600	73.0	56,300	56,300	15
20	63.5	72,800	72,800	68.0	53,000	53,000	20
25	57.5	56,200	56,200	63.0	44,900	44,900	25
30	51.0	45,000	45,000	57.5	38,700	38,700	30
35	43.0	34,000	34,900	51.5	33,600	33,900	35
40	34.5	26,300	26,900	45.5	25,900	26,600	40
45	22.0	20,900	21,400	38.0	20,600	21,100	45
50				29.0	16,600	17,000	50
55				16.0	13,500	13,900	55
Min. Boom Angle/Cap.	0°	14,800	14,800	0°	11,000	11,000	Min. Boom Angle/Cap.

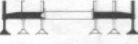


Maximum Allowable Lifting Capacities

Rated Lifting Capacities in Pounds

On Fully Extended Outriggers

See Set Up Note 2.



BOOM MODE "B"

12,000# COUNTERWEIGHT

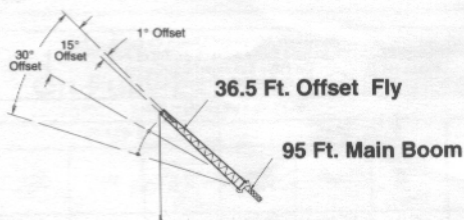
38 Ft. To 55 Ft. Main Boom										
Load Radius In Feet	38 Ft.			45 Ft.			55 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	
10	67.0	130,000	130,000	71.0	42,000	42,000	74.5	42,000	42,000	10
12	64.0	118,000	118,000	68.0	42,000	42,000	72.5	42,000	42,000	12
15	58.5	100,700	100,700	64.0	42,000	42,000	69.0	42,000	42,000	15
20	48.5	74,200	74,200	56.5	42,000	42,000	63.5	42,000	42,000	20
25	36.5	57,400	57,400	48.0	42,000	42,000	57.5	42,000	42,000	25
30	17.5	46,100	46,100	38.0	42,000	42,000	50.5	42,000	42,000	30
35				24.5	35,900	36,700	43.0	36,500	37,300	35
40							34.0	28,600	29,300	40
45							22.0	23,100	23,600	45
Min. Boom Angle/Cap.	0°	26,300	26,300	0°	20,100	20,100	0°	14,400	14,400	Min. Boom Angle/Cap.

Maximum Allowable Lifting Capacities Rated Lifting Capacities In Pounds On Fully Extended Outriggers See Set Up Note 2.							
BOOM MODE "B" 12,000# COUNTERWEIGHT							
95 Ft. To 115 Ft. Main Boom							
Load Radius In Feet	95 Ft.			105 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	
20	76.5	38,700	38,700				20
25	73.5	33,800	33,800	75.5	30,400	30,400	25
30	70.0	29,800	29,800	72.5	27,000	27,000	30
35	67.0	26,600	26,600	69.5	24,100	24,100	35
40	63.5	23,900	23,900	66.5	21,700	21,700	40
45	60.0	21,700	21,700	63.5	19,700	19,700	45
50	56.0	19,800	19,800	60.5	17,900	17,900	50
55	52.0	16,700	17,100	57.0	16,200	16,200	55
60	48.0	14,200	14,500	53.5	14,300	14,600	60
65	43.5	12,200	12,500	50.0	12,300	12,600	65
70	38.5	10,500	10,800	46.0	10,600	10,900	70
75	33.0	9,100	9,300	41.5	9,200	9,400	75
80	26.5	7,900	8,100	37.0	8,000	8,200	80
85	17.0	6,800	7,000	31.5	6,900	7,100	85
90				25.5	6,000	6,200	90
95				16.5	5,200	5,400	95
100							100
105							105
Min. Boom Angle/Cap.	0°	4,600	4,600	0°	3,500	3,500	Min. Boom Angle/Cap.

65 Ft. To 85 Ft. Main Boom										
Load Radius In Feet	65 Ft.			75 Ft.			85 Ft.			Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	Loaded Boom Angle (Deg.)	360°	Over Front	
12	75.5	42,000	42,000							12
15	73.0	42,000	42,000	75.5	42,000	42,000	77.5	42,000	42,000	15
20	68.0	42,000	42,000	71.5	42,000	42,000	74.5	42,000	42,000	20
25	63.5	42,000	42,000	68.0	42,000	42,000	71.0	41,800	41,800	25
30	58.0	42,000	42,000	63.5	42,000	42,000	67.0	37,000	37,000	30
35	52.5	36,800	37,700	59.0	37,100	38,000	63.5	32,900	32,900	35
40	46.5	28,900	29,600	54.0	29,200	29,800	59.5	29,300	29,700	40
45	39.5	23,500	24,000	49.0	23,700	24,200	55.0	23,900	24,400	45
50	31.5	19,400	19,800	43.0	19,600	20,000	50.5	19,800	20,200	50
55	20.0	16,200	16,600	37.0	16,400	16,800	46.0	16,600	17,000	55
60				29.0	13,900	14,200	40.5	14,100	14,400	60
65				19.0	11,900	12,200	34.5	12,100	12,400	65
70							27.5	10,400	10,700	70
75							18.0	9,000	9,200	75
Min. Boom Angle/ Cap.	0°	10,700	10,700	0°	8,000	8,000	0°	6,100	6,100	Min. Boom Angle/ Cap.

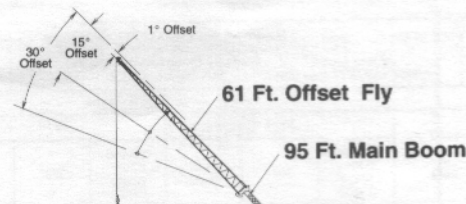
Note: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

Fully Extended Outriggers - Fly Capacities - Boom Mode "B" (12,000 lb. Counterweight)

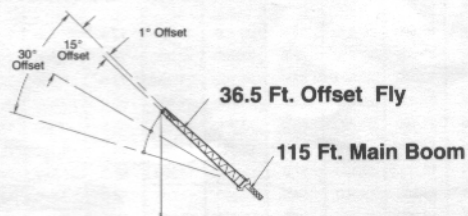


BOOM MODE "B" 12,000# COUNTERWEIGHT							
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
95 Ft. Main Boom + 36.5 Ft. Offset Fly							
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
30	76.5	16,900					30
35	74.0	15,700	78.0°	11,900			35
40	72.0	14,600	75.5	11,300			40
45	70.0	13,700	73.5	10,700	77.0	8,700	45
50	67.5	12,800	71.0	10,300	74.5	8,300	50
55	65.0	12,100	68.5	9,800	72.0	8,000	55
60	62.5	11,400	66.0	9,400	69.5	7,700	60
65	60.0	10,800	63.5	8,900	67.0	7,400	65
70	57.5	10,300	61.0	8,500	64.5	7,200	70
75	55.0	9,800	58.5	8,100	61.5	6,900	75
80	52.0	9,300	55.5	7,800	58.5	6,700	80
85	49.0	8,200	52.5	7,400	55.5	6,600	85
90	46.0	7,300	49.5	7,200	52.5	6,400	90
95	42.5	6,500	46.5	6,900	49.0	6,300	95
100	39.0	5,700	42.5	6,100	45.5	6,100	100
105	35.0	5,100	38.5	5,400	41.0	5,600	105
110	30.5	4,500	34.0	4,700	36.0	4,900	110
115	25.0	4,000	28.5	4,100	30.0	4,200	115
120	18.0	3,500	21.5	3,600	21.0	3,600	120
Min. Boom Angle/Cap.	0°	1,700	0°	1,700	0°	1,800	Min. Boom Angle/Cap.

* This capacity based on maximum obtainable boom angle.



BOOM MODE "B" 12,000# COUNTERWEIGHT							
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
95 Ft. Main Boom + 61 Ft. Offset Fly							
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
35	77.5	9,500					35
40	76.0	9,500					40
45	74.0	9,000					45
50	72.0	8,400	77.0	6,200			50
55	70.0	7,800	75.5	5,900			55
60	68.5	7,300	73.5	5,600			60
65	66.5	6,800	71.5	5,300	76.5	4,300	65
70	64.0	6,300	69.5	5,000	74.5	4,100	70
75	62.0	6,000	67.5	4,800	72.5	4,000	75
80	60.0	5,600	65.0	4,600	70.0	3,800	80
85	58.0	5,300	63.0	4,400	68.0	3,700	85
90	55.5	5,000	60.5	4,200	65.5	3,600	90
95	53.5	4,800	58.5	4,000	63.0	3,500	95
100	51.0	4,500	56.0	3,900	60.5	3,400	100
105	48.5	4,300	53.5	3,700	58.0	3,300	105
110	45.5	4,100	51.0	3,600	55.0	3,200	110
115	43.0	3,900	48.0	3,500	52.0	3,100	115
120	40.0	3,700	45.0	3,300	49.0	3,100	120
125	37.0	3,600	41.5	3,200	45.5	3,000	125
130	33.0	3,200	38.0	3,200	41.5	3,000	130
135	29.0	2,900	34.0	3,100	37.0	3,000	135
140	24.0	2,500	29.0	2,700	31.0	2,800	140
145	18.0	2,200	22.0	2,300			145
Min. Boom Angle/Cap.	0°	700	0°	700	0°	800	Min. Boom Angle/Cap.

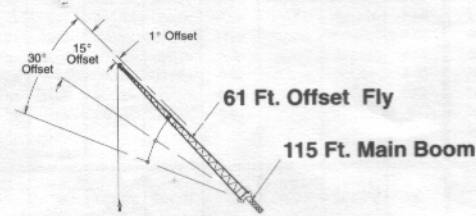


BOOM MODE "B" 12,000# COUNTERWEIGHT							
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
115 Ft. Main Boom + 36.5 Ft. Offset Fly							
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
35	76.5	10,500					35
40	75.0	10,500					40
45	73.0	10,500	76.5	10,100			45
50	71.5	10,500	75.0	10,100	78.0°	8,700	50
55	69.5	10,500	73.0	10,100	76.0	8,400	55
60	67.5	10,500	71.0	10,100	74.0	8,100	60
65	66.0	10,300	69.0	9,700	71.5	7,800	65
70	63.5	9,500	67.0	9,300	69.5	7,600	70
75	61.5	8,700	65.0	8,900	67.5	7,400	75
80	59.0	8,100	62.5	8,200	65.0	7,100	80
85	57.0	7,400	60.0	7,600	63.0	7,000	85
90	54.5	6,900	57.5	7,000	60.5	6,800	90
95	52.0	6,200	55.0	6,500	58.0	6,600	95
100	49.0	5,500	52.5	5,900	55.5	6,100	100
105	46.0	4,800	49.5	5,200	52.5	5,500	105
110	43.0	4,200	46.5	4,600	49.0	4,800	110
115	40.0	3,700	43.5	4,000	46.0	4,200	115
120	36.5	3,200	40.0	3,500	42.0	3,700	120
125	33.0	2,800	36.0	3,000	38.0	3,100	125
130	29.0	2,400	32.0	2,600	33.5	2,700	130
135	24.0	2,000	27.0	2,200	28.0	2,200	135
140	17.5	1,700	20.5	1,800	19.0	1,800	140

WARNING

Do Not Lower 36.5 Ft. Offset Fly in Working Position Below 12.5 Degrees Unless Main Boom Length is 112 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

* This capacity based on maximum obtainable boom angle.



BOOM MODE "B" 12,000# COUNTERWEIGHT							
Maximum Allowable Lifting Capacities Rated Lifting Capacities in Pounds On Fully Extended Outriggers See Set Up Note 2.							
115 Ft. Main Boom + 61 Ft. Offset Fly							
Load Radius In Feet	1° Offset		15° Offset		30° Offset		Load Radius In Feet
	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	Loaded Boom Angle (Deg.)	360°	
40	77.5	7,100					40
45	76.0	7,100					45
50	74.5	7,100					50
55	73.0	7,100					55
60	71.5	7,100					60
65	70.0	7,100	76.5	6,000			65
70	68.5	7,100	75.0	5,700			70
75	67.0	6,700	73.5	5,400	77.5	4,300	75
80	65.5	6,300	71.5	5,200	76.0	4,200	80
85	63.5	6,000	69.5	4,900	74.0	4,000	85
90	62.0	5,700	68.0	4,700	72.0	3,900	90
95	60.0	5,400	66.0	4,500	70.5	3,800	95
100	58.0	5,100	64.5	4,400	68.5	3,700	100
105	56.0	4,800	62.5	4,200	66.5	3,600	105
110	53.5	4,400	60.5	4,100	64.5	3,500	110
115	51.5	4,100	58.0	3,900	62.5	3,400	115
120	49.0	3,700	56.0	3,800	60.0	3,300	120
125	46.5	3,300	54.0	3,700	57.5	3,200	125
130	44.0	2,900	51.5	3,500	55.5	3,200	130
135	41.5	2,500	49.0	3,200	52.5	3,100	135
140	38.5	2,200	46.0	2,900	50.0	3,000	140
145	35.5	1,800	43.0	2,500	47.0	2,700	145
150	32.0	1,600	40.0	2,100	43.5	2,400	150
155	28.0	1,300	36.5	1,800	39.5	2,000	155
			32.5	1,500	34.5	1,600	

WARNING

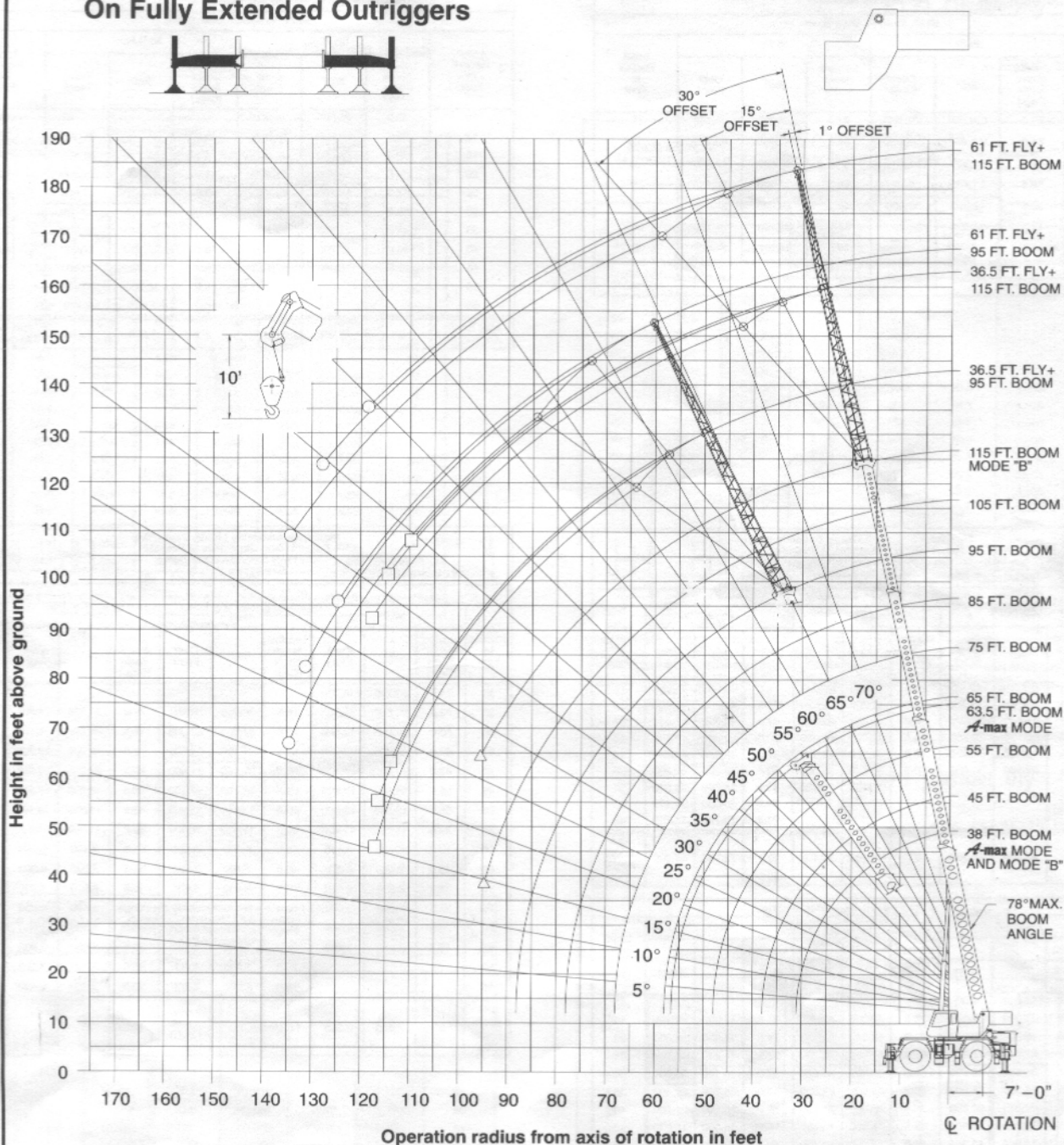
Do Not Lower 61 Ft. Offset Fly in Working Position Below 26.0 Degrees Unless Main Boom Length is 102 Ft. Or Less, Since Loss Of Stability Will Occur Causing A Tipping Condition.

Note: Refer To Page 5 For "Lifting Capacity Deductions" For Capacity Reductions Caused By Stowed Or Erected Auxiliary Load Handling Equipment.

WORKING RANGE DIAGRAM

Working Range Diagram
On Fully Extended Outriggers

0# Counterweight



- Denotes Main Boom + 61' Fly-Boom Mode "B"
- Denotes Main Boom + 36.5' Fly-Boom Mode "B"
- △ Denotes Main Boom - Boom Mode "B"

Note: Boom and fly geometry shown are for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius and boom angle change must be accounted for when applying load to hook.



WARNING

Do Not Lower The Boom Below The Minimum Boom Angle For No Load As Shown In The Above Chart For The Boom Lengths Shown. Loss Of Stability Will Occur Causing A Tipping Condition.